



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D350-689-021
Job Sheet 168424



Part No: D350-689-021

Job Qty: 1 ea

Part Name: Dual High-Back Seat Installation - Energy Attenuating Seat Compatible



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/14/17

Job Tracking No:

Due Date: 12/8/17

Created By: Mario Poulin

Type: SOLD

Description:

Customer: Heliswiss Iberica SA (CHELI02)

Hangar 4, Lado Norte, Aeropuerto De Sabadell, Barcelona Sabadell, , 08205 Spain ph:011 34 93 720 6090
fx:34-937-100130.

Note: DWG REV C SHEET 36 IPP Rev:A 08-12-23 new issue DD verified by: LL 08.12.24 IPP Rev:B chg002 DD
10.02.12 verified by:JLM IPP Rev:C chg004 DD 11.09.28 verified by:JLM IPP Rev:D 12.01.12 now @ CHG005
(ecn12-501) DD VERF:EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		12/8/17	0.00	0.00	Start Up Stores/Pkg-1		Smb
110	Packaging	1 pcs		12/8/17	0.00	0.00	Packaging1		Smb
120	QC	1 pcs		12/8/17	0.00	0.00	QC4		A.T.
125	DC	1 pcs		12/8/17	0.00	0.00	DC		7.10
130	Packaging	1 pcs		12/8/17	0.00	0.00	Packaging3		
140	QC21-FG	1 Ea		12/8/17	0.00	0.00	QC21		

Part Op 125 - Photocopy bluefile and create labels per PPP D350-689-021 CHG006
Descriptions: 130 - Identify and pack for shipping as per PPP D350-689-021

Fg099

DEC 21 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	D3018-1 SO25672	1 ✓	3	0	0
	D3019-1 SO23679	1 ✓	2	0	0
	D350-689-023 SO25676	1 ✓	1	0	0
	D350-689-043 SO24501	1 ✓	1	0	0
	17.12.11 A4671-1 SO25671	1 ✓			

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____ Date : _____ Step _____ Description Work Order _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Not approved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>			Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																				
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																				
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																				
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																				
Large Fab ☐	Composite ☐	Supplier ☐																																																					
 S025683 Dual High – Back Seat Installation – Energy Attenuating Seat Compatible PART NO: D350 – 689 – 021 Revision: Operation: Start up Operation Change No:		Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K64 1K7 CANADA TEL.: 1 613 632 – 5200 Email: sales@dartaero.com www.dartaerospace.com																																																					
		MRB (QSI042) Approval																																																					
		Completed By																																																					
		Lead hand / Supervisor Approval Verification																																																					
		QC / QA Coordinator Approval																																																					
<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;">Root Cause</td> </tr> <tr> <td style="width: 15%;">Environment ☐</td> <td style="width: 15%;">No Re-verification ☐</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td>Design ☐</td> <td>Operator ☐</td> <td></td> <td></td> </tr> <tr> <td>Doc/Data ☐</td> <td>Offset/Setup ☐</td> <td></td> <td></td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>Supplier ☐</td> <td></td> <td></td> </tr> <tr> <td>Handling/Pre ☐</td> <td>Training ☐</td> <td></td> <td></td> </tr> <tr> <td>Material ☐</td> <td>Use for Testing ☐</td> <td></td> <td></td> </tr> <tr> <td>Internal Transport ☐</td> <td>Poor Information ☐</td> <td></td> <td></td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>Rushing ☐</td> <td></td> <td></td> </tr> <tr> <td>LOA ☐</td> <td>Product Improvement ☐</td> <td></td> <td></td> </tr> <tr> <td>Substation ☐</td> <td>Process Improvement ☐</td> <td></td> <td></td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>Manufacturing Process ☐</td> <td></td> <td></td> </tr> <tr> <td>Misidentified ☐</td> <td>Past Due ☐</td> <td></td> <td></td> </tr> </table>				Root Cause				Environment ☐	No Re-verification ☐			Design ☐	Operator ☐			Doc/Data ☐	Offset/Setup ☐			Equip/Tooling ☐	Supplier ☐			Handling/Pre ☐	Training ☐			Material ☐	Use for Testing ☐			Internal Transport ☐	Poor Information ☐			Tribal Knowledge ☐	Rushing ☐			LOA ☐	Product Improvement ☐			Substation ☐	Process Improvement ☐			Past Expiry Date ☐	Manufacturing Process ☐			Misidentified ☐	Past Due ☐		
Root Cause																																																							
Environment ☐	No Re-verification ☐																																																						
Design ☐	Operator ☐																																																						
Doc/Data ☐	Offset/Setup ☐																																																						
Equip/Tooling ☐	Supplier ☐																																																						
Handling/Pre ☐	Training ☐																																																						
Material ☐	Use for Testing ☐																																																						
Internal Transport ☐	Poor Information ☐																																																						
Tribal Knowledge ☐	Rushing ☐																																																						
LOA ☐	Product Improvement ☐																																																						
Substation ☐	Process Improvement ☐																																																						
Past Expiry Date ☐	Manufacturing Process ☐																																																						
Misidentified ☐	Past Due ☐																																																						
Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Broken/Damaged ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐																																																					
OTHER : _____		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Positioned Wrong ☐</td> <td style="width: 15%;">Outside Dimensions ☐</td> <td style="width: 15%;">Over/Under tolerance ☐</td> <td style="width: 15%;">Part Incorrect ☐</td> </tr> <tr> <td>Part Lost/Missing ☐</td> <td>Part Moved ☐</td> <td>Drawing ☐</td> <td>Finish ☐</td> </tr> <tr> <td>Misread ☐</td> <td>Turning Sequence ☐</td> <td></td> <td></td> </tr> </table>		Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐																																										
Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐																																																				
Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐																																																				
Misread ☐	Turning Sequence ☐																																																						

Mfg Date: 12/20/17
Job No: 168424

5.0 PARTS LIST

Qty -011	Qty -013	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X						D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
1	X					D350-689-013	FLOOR PROVISIONS KIT
		X				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
		1	X			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1				X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
		1			X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
				1	1	D3018-1	SEAT CUSHION
				1	1	D3019-1	BACK CUSHION
	1					D3025-1	BEAM
	1					D3026-1	CHANNEL
	1					D3027-1	CLIP
	1					D3027-3	CLIP
	1					D3027-5	CLIP
	4		4			D3027-7	CLIP
				4		D3028-1	STUD
				2		D3029-1	SPRING
				2		D3030-1	LOCK
	1					D3032-1	SPACER
	2					D3033-1	SEAT TRACK
	1					D3234-1	DOUBLER
	2					D3234-5	SPACER
					2	D3808-041	SEAT RAIL ASSEMBLY
					4	D3809-1	SLIDING BLOCK
			1			D3811-041	SEAT TRACK ASSEMBLY
	1		1			D4575-1	BEAM
	1		1			D4575-3	DOUBLER
				1	1	D4671-1	ARMREST CUSHION
				1	1	D5162-041	SEAT STRUCTURE ASSEMBLY
	52					MS20470AD4	RIVET
			9			MS21042L3	NUT (OR MS21042-3)
	12					MS21059L3	NUTPLATE
	2					MS24693-S273	SCREW
					8	MS24694-S3	SCREW
			9			MS24694-S50	SCREW
					4	MS24694-S148	SCREW
	6					MS27039-1-10	SCREW
	6					NAS1149D0332J	WASHER (OR AN960JD10L)
			9			NAS1149D0363J	WASHER (OR AN960JD10)